



FYI

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TO:	ATTENTION: Jim, Roger, "Staff"
	SUBJECT: ASM Scholarship Winners
	PLANT NAME: TBP
	TELEPHONE NO: (FAX) - (423) - 546-4579
	TOTAL PAGES (incl. cover): 3

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Hi Folks! Hope all is well...

I just wanted to forward this year's ASM Scholarship article. I've done this every year, and typically one-half or more of the winners are Tam Bates. I think this year's glaring absence of members (except for a <sup>Rachel</sup> possible) is another indication membership is "hurting" in general. Please keep this in mind as Cathy Rice and the new Council work with the new "Marketing" effort. This is not a "knock" on your efforts - we just need to push harder in the busy world! Thanks for your continued efforts!

encl. (2pp.)

Best Regards,

Lame Duck Ed  
(8 days... sniff)

cc: E.C.  
E.C. - elect  
DD's (ALL)

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*Note: Most of the current, rising jrs. have not stood for election yet*

## ASM Foundation presents 1998 Scholarships during ASM Annual Event

The ASM Foundation for Education and Research will present the following scholarships this month during the ASM Annual Event in Rosemont, Ill.

### 1998 William Park Woodside Founder's Scholarship

This scholarship was established in 1996 by a gift from Mrs. Sue Woodside Shulec in honor of her grandfather, William Park Woodside. Mr. Woodside founded our society as the Steel Treathers Club over 80 years ago and later served as President of ASM. The William P. Woodside Founder's Scholarship has been established to encourage an ASM student member studying materials science and engineering at the junior or senior level who demonstrates strength in leadership, character, and academics. Full tuition coverage for one academic year and a certificate of recognition are provided to the recipient.

The 1998 William Park Woodside Founder's Scholarship Recipient is **Sean R. O'Neill**, Stevens Institute of Technology.

Sean R. O'Neill, East Landsowne, Pa., is a junior studying materials engineering at Stevens

Institute of Technology in Hoboken, N. J. In 1988, he received a Bachelor of Fine Arts from the University of the Arts in Philadelphia.

Sean gained interest in metallurgy while interning at the National Ornamental Metal Museum in Memphis. There he found a common bond between the art and materials worlds and acquired the belief that "different mechanical properties of a material bring rhyme and meter to the artist." From 1993-1995, Sean ran a workshop hosted by the Philadelphia Art Institute's U.S. Artists for severely disabled individuals interested in metal work.

While attending Delaware County Community College as a materials engineering major, he tutored math and science in the school's learning center. His inquisitiveness and determination paid off when the school awarded him the Sun Scholarship and Academic Achievement Award in mathematics. Sean has now tightened his focus from metalwork to mathematics and materials and hopes to work intimately with physical substance while at Stevens Institute of Technology.

### George A. Roberts Scholarship Program

This Scholarship Program was established in 1995 through a generous contribution from Dr. George A. Roberts, FASM, past president of ASM and retired CEO of Teledyne, to the ASM Foundation as an expression of his commitments to education and the materials science and engineering community. The scholarships are awarded to outstanding undergraduate members of ASM at the junior or senior level who demonstrate exemplary academic and personal achievements, interest, and potential in metallurgy or materials science and engineering. Up to seven scholars are selected each year and presented with a certificate and \$5,000 towards educational expenses for one academic year.

The 1998 George A. Roberts Scholars are **Yana Matsushita**, Cornell University; **Larissa N. Rodzianko**, Case Western Reserve University; and **Steven N. Pisanelli**, Colorado School of Mines.

Yana Matsushita, Ithaca, N.Y., is currently pursuing a B.S. in Materials Science from Cornell University. Since the fall of 1997,

she has been gaining valuable experience as a student research assistant to Prof. Yuri Suzuki. Using electron beam lithography and ion mill etching at the Cornell Nanofabrication Facility, Yana patterns nanostructures from magnetic thin films grown by Prof. Suzuki, and measures the magnetization of the material to characterize them. Her hard work in class and in research has led to many honors and achievements, including placement on Cornell University's Dean's List, Robert C. Byrd Honors Scholarship, General Electric Foundation Faculty for the Future Undergraduate Research Grant, Cornell Alumni-Sponsored Grant for Research Experience for Undergraduates, and a Micro Devices scholarship. Yana is working hard to gain relevant experience and develop the best skills possible to prepare her for a technical field. She hopes to develop a career in the electronics industry and advanced materials development through research.

Larissa Rodzianko, Brecksville, Ohio, was introduced to many engineering disciplines as a freshman at Case Western Re-

### IMS Convention, continued

Institut, and Todd Leonhardt, Rhenium Alloys, Inc., instructed the "Color Etching" Workshop held at Natural Resources Canada, MTL/CANMET.

Also held at that site was the "Advanced Microstructural Characterization Techniques" Short Course, instructed by J. Brown, G.J.C. Carpenter, G. McMahon, and R. Packwood, Materials Technology Laboratory, and M. Phaneuf, Fibics Incorporated.

The IMS Annual Banquet was an event to be remembered! A Canadian Ceremonial Guards fanfare began the evening. A bagpiper led the head table procession. President Mo Shehata and his wife Amira were escorted to their seats by two Royal Canadian Mounted Police officers. The impressive entrance commenced with a bagpipe rendition of "Amazing Grace."

Two award presentations were made at the banquet. The 1998 Henry Clifton Sorby Award was presented to Kav

Geels, Struers A/S. The Sorby Award is the highest award given by IMS and goes to a person over 60 years old who is considered an international figure in the field of metallography and has devoted more than 30 years to metallographic research, teaching, laboratory sales, and/or service. IMS President Mo Shehata presented the IMS President's Award, in recognition of outstanding service to IMS, to John Simmons, BI Thortex, Inc. He was cited for "his leadership in a highly successful convention and his valuable contributions to the International Metallographic Society."

The IMS Convention traditionally features outstanding social events in conjunction with the meeting. Struers, Inc., hosted the Icebreaker Reception at the Ottawa Parliament Building in the beautiful Commonwealth and Reading Rooms. These rooms were graciously provided by Hon. Ralph Goodale, minister, Natural Resources

Canada. Buehler, Ltd., hosted a barbecue luncheon, which in addition to wonderful food included an authentic mariachi band.

Several awards and class winners of the International Metallographic Contest were presented at the IMS Awards Luncheon including the Jacquet-Lucas Award for Excellence.

The 1997 Best Paper Award Technical Meeting was presented to K.P. Cooper, J.D. Ayers, H.N. Jones III, and R. Vardiman for their paper "The Evolution of Fine-Grained Microstructures in an Ultra-High Carbon Steel Through Rapid Solidification and Phase Transformation." The Buehler Technical Paper Merit Award was also presented at the lunch. Presented annually and sponsored by Buehler, this award is given to the best paper printed in the IMS journal *Materials Characterization*. Chris Bagnall, FASM, editor of *Materials Characterization*, and George Blann, Buehler, Ltd., presented this year's award to

H.S. Yang, Kaiser Aluminum & Chemical Corporation, for his paper "A New Optical Metallographic Technique for Revealing Grain Structures of Common 2000, 5000, and 7000 Series Aluminum Alloys."

The Commercial Exhibits, organized by Barry Branstetter, Stelco Inc., were on display at the convention.

Preceding the opening of the exhibits was an exhibitor's session, where attendees could discuss specific equipment and/or service needs with experts in metallographic sample preparation, micro-structural examination, analysis and evaluation, equipment, instruments, and other supplies. In addition to the abundant networking opportunities the exhibition offered, exhibitors donated many prizes that were raffled for exhibit attendees.

The exhibitor grand prize drawing for a color TV, donated by exhibitor PSI Testing, Inc., was held during the Annual Banquet.





O'Neill



Matsushita



Rodzianko



Pisanelli



Sayer



Klebes



McSwain



Winnen

serve University. After setting a goal to discover the materials that will make a GigaHertz Pentium possible, Larissa felt that material science would be the source for making things happen. In the summer of 1998, Larissa completed an internship with the NASA Lewis Research Center in Cleveland, Ohio, where she examined silicon-carbide fiber-reinforced ceramic matrix composites with Dr. Jeffrey Eldridge of the Tribology Branch and Dr. Narottam Bansal of the Ceramics Division. She has also worked on semiconducting materials in the materials laboratories at Case Western Reserve University under Dr. David Matthiesen. Larissa remains an active member of the Undergraduate Materials Society at CWRU and has recently stepped up as acting President of their ASM Student Chapter. Currently a junior, she has just completed courses to receive a minor in music and hopes to acquire another minor in humanities or social science to complement a B.S. in materials science and engineering.

Steven Pisanelli's interest in metallurgy was sparked though his childhood passion for hockey. Growing up in Parma, Ohio, Steve often questioned what made one hockey stick more flexible or more durable than the other. His first real exposure to metallurgy was through a summer internship with LTV Steel. There he was able to examine both the technical and practical aspects of steel production. He became familiar not only with the old style structure, but with the self-directed work team structure as well. Currently, Steven is a junior materials science major at Colorado School of Mines. His long-term goals include a plan to become a production manager in the steel industry.

#### Nicholas J. Grant Scholarship

This scholarship was established in 1990 by Dr. Joseph R.

Lane, FASM, retired National Materials Advisory Board Member of the National Academy of Sciences. He was one of Professor Grant's earliest students at Massachusetts Institute of Technology.

The scholarship is awarded to an outstanding undergraduate member of ASM at the junior or senior level who demonstrates exemplary academic and personal achievements as well as interest and potential in metallurgy or materials science and engineering. Full tuition for one year is provided.

The 1998 N.J. Grant Scholarship recipient is Aaron B. Sayer, University of Idaho.

Aaron Sayer, Moscow, Idaho, joined the metallurgy program at the University of Idaho after receiving his associates degree in general engineering from Ricks College in 1996. His interests lie particularly in the physical metallurgy. Pursuing these interests, Aaron took an internship with Johnson Matthey Electronics. He worked for the Targets Division characterizing a new line of diffusion bonded sputtering targets by collecting and analyzing data.

Over the past year, Aaron was employed as an undergraduate research assistant with IMAP (Institute of Materials and Advanced Processes) at the University of Idaho. There he worked to develop methods of titanium ore reduction using mechanical alloying rather than the current high temperature process for the production of titanium. Aaron's accomplishments and honors include membership in the ASM/TMS student chapter, placement on the Dean's List for the past two semesters, and second place in the 1998 Empire ASM student paper contest.

Aaron's immediate goals are to receive his M.S. from the University of Idaho and enter the professional field of metallurgy. He also plans to receive a business degree and work in management.

#### Outstanding Scholarship Program

The Outstanding Scholar Awards were established to recognize students who have excelled in the areas of scholarship, leadership, and service in materials science and engineering. The awards are funded by the ASM Foundation for Education and Research and administered by ASM's Action in Education Team. Three \$2000 awards are presented each year.

The 1998 Outstanding Scholars are Lawrence H. Klebes, New Jersey Institute of Technology; Rachel Lynn McSwain, Auburn University; and Michael Peter Winnen, Case Western Reserve University.

After 21 years as a Navy Intelligence Analyst, Lawrence Klebes, Lyndhurst, N.J., is now pursuing his long-time interest in mechanical engineering at the New Jersey Institute of Technology. Lawrence already has a masters degree in business administration but is seeking a major career change that will allow him to be involved in research and development of machines of the future. Since attending NJIT, he has continuously maintained Dean's List status and has remained an active member of ASM and ASME. Currently a junior, Lawrence plans to obtain an undergraduate degree in mechanical engineering and seek employment with a firm conducting research and development in cutting-edge technology. He is planning to spend his 1999 spring semester at Nan Yang University in Singapore to gain an international perspective and make contacts in the Asian region. He believes that his strong desire to excel, together with his unique combination of skills and abilities, will make him a valuable player in the materials industry as a whole.

Rachel McSwain, a senior at Auburn University, grew up around microscopes. She gained engineering and small business experience while working at her

father's company (McSwain Engineering, Inc.) doing technical work. Rachel currently has a double major in materials engineering and German and studied in Germany in the summer of 1998 to improve her language skills. With the combination of those two interests, Rachel hopes to be employed in a job that will challenge her and further her knowledge. She has earned many awards for her achievements including, the Alumni Academic Scholarship (1995-96), the Brice H. Brackin Scholarship (1996-97), the Fred Allison Award (1997), and an Outstanding Sophomore in Engineering nomination by Tau Beta Pi. She is noted by her professors as being highly self-motivated, inquisitive, and persistent.

Michael Winnen, Cleveland Heights, Ohio, was introduced to materials science and engineering during his sophomore year at Case Western Reserve University. He has gained valuable work experience through several cooperative education programs. Michael's first co-op assignment was with PCC Airfoils dealing in materials improvements in production waxes, superalloy asset management, and materials handling capacity studies. He worked for GE Quartz on his second co-op working on deals with process development for refined raw natural quartz sand for use in several fusion processes. Michael has served as president and secretary of the Undergraduate Materials Society, the umbrella organization for the ASM, TMS, and ACerS Cleveland Chapters. Currently a senior, Michael plans to graduate in 1999 with a B.S. in materials science and engineering and earn his M.S. while working in materials development and processing. He hopes to work in an environment where he can investigate and develop new materials applications and processing techniques in a production atmosphere.